

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/665,951A
Source: TFW/6
Date Processed by STIC: 07/11/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 07/11/2006

PATENT APPLICATION: US/10/665,951A

TIME: 13:37:19

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
 Output Set: N:\CRF4\07112006\J665951A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4 McSwiggen, James
 5 Beigelman, Leonid
 6 Pavco, Pamela
 8 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial
 9 Growth Factor and Vascular Endothelial Growth Factor Receptor
 10 Gene Expression Using Short Interfering Nucleic Acid (siNA)
 12 <130> FILE REFERENCE: 400/131 (MBHB02-742-F)
 14 <140> CURRENT APPLICATION NUMBER: US 10/665,951A
 15 <141> CURRENT FILING DATE: 2003-09-18
 17 <150> PRIOR APPLICATION NUMBER: US 10/664,668
 18 <151> PRIOR FILING DATE: 2003-09-18
 20 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05022
 21 <151> PRIOR FILING DATE: 2003-02-20
 23 <150> PRIOR APPLICATION NUMBER: US 60/399,348
 24 <151> PRIOR FILING DATE: 2002-07-29
 26 <150> PRIOR APPLICATION NUMBER: US 60/393,796
 27 <151> PRIOR FILING DATE: 2002-07-03
 29 <150> PRIOR APPLICATION NUMBER: US 10/287,949
 30 <151> PRIOR FILING DATE: 2002-11-04
 32 <150> PRIOR APPLICATION NUMBER: US 10/306,747
 33 <151> PRIOR FILING DATE: 2002-11-27
 35 <150> PRIOR APPLICATION NUMBER: PCT/US 02/17674
 36 <151> PRIOR FILING DATE: 2002-05-29
 38 <150> PRIOR APPLICATION NUMBER: US 60/358,580
 39 <151> PRIOR FILING DATE: 2002-02-20
 41 <150> PRIOR APPLICATION NUMBER: US 60/363,124
 42 <151> PRIOR FILING DATE: 2002-03-11
 44 <150> PRIOR APPLICATION NUMBER: US 60/386,782
 45 <151> PRIOR FILING DATE: 2002-06-06
 47 <150> PRIOR APPLICATION NUMBER: US 60/406,784
 48 <151> PRIOR FILING DATE: 2002-08-29
 50 <150> PRIOR APPLICATION NUMBER: US 60/408,378
 51 <151> PRIOR FILING DATE: 2002-09-05
 53 <150> PRIOR APPLICATION NUMBER: US 60/409,293
 54 <151> PRIOR FILING DATE: 2002-09-09
 56 <150> PRIOR APPLICATION NUMBER: US 60/440,129
 57 <151> PRIOR FILING DATE: 2003-01-15
 59 <150> PRIOR APPLICATION NUMBER: US 60/334,461
 60 <151> PRIOR FILING DATE: 2001-01-30
 62 <160> NUMBER OF SEQ ID NOS: 2460
 64 <170> SOFTWARE: PatentIn version 3.2
 66 <210> SEQ ID NO: 1

CP9-67

RAW SEQUENCE LISTING DATE: 07/11/2006
 PATENT APPLICATION: US/10/665,951A TIME: 13:37:19

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
 Output Set: N:\CRF4\07112006\J665951A.raw

```

67 <211> LENGTH: 19
68 <212> TYPE: RNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
74 <400> SEQUENCE: 1
75 gcgacacuc cucucggc 19
76 <210> SEQ ID NO: 2
79 <211> LENGTH: 19
80 <212> TYPE: RNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
86 <400> SEQUENCE: 2
87 uccuccccgg cagcggcg 19
88 <210> SEQ ID NO: 3
91 <211> LENGTH: 19
92 <212> TYPE: RNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
98 <400> SEQUENCE: 3
99 gccgcucggc gccggcucc 19
102 <210> SEQ ID NO: 4
103 <211> LENGTH: 19
104 <212> TYPE: RNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
110 <400> SEQUENCE: 4
111 cggggcucgg gugcagcg 19
114 <210> SEQ ID NO: 5
115 <211> LENGTH: 19
116 <212> TYPE: RNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
122 <400> SEQUENCE: 5
123 gccagcgggc cuggcggcg 19
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 19
128 <212> TYPE: RNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
134 <400> SEQUENCE: 6
135 gagggauuacc cggggaaagu 19
138 <210> SEQ ID NO: 7
139 <211> LENGTH: 19

```

RAW SEQUENCE LISTING DATE: 07/11/2006
PATENT APPLICATION: US/10/665,951A TIME: 13:37:19

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
Output Set: N:\CRF4\07112006\J665951A.raw

140 <212> TYPE: RNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
146 <400> SEQUENCE: 7
147 ugguugucuc cuggcugga 19
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 19
152 <212> TYPE: RNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
158 <400> SEQUENCE: 8
159 agccgcgaga cgggcgcuc 19
162 <210> SEQ ID NO: 9
163 <211> LENGTH: 19
164 <212> TYPE: RNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170 <400> SEQUENCE: 9
171 cagggcgcgg ggccggcgg 19
174 <210> SEQ ID NO: 10
175 <211> LENGTH: 19
176 <212> TYPE: RNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
182 <400> SEQUENCE: 10
183 gcggcgaacg agaggacgg 19
186 <210> SEQ ID NO: 11
187 <211> LENGTH: 19
188 <212> TYPE: RNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
194 <400> SEQUENCE: 11
195 gacucuggcgcg gcccggucg 19
198 <210> SEQ ID NO: 12
199 <211> LENGTH: 19
200 <212> TYPE: RNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
206 <400> SEQUENCE: 12
207 guuggccggg ggagcgcgg 19
210 <210> SEQ ID NO: 13
211 <211> LENGTH: 19
212 <212> TYPE: RNA

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/665,951A

DATE: 07/11/2006
TIME: 13:37:19

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
Output Set: N:\CRF4\07112006\J665951A.raw

213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
218 <400> SEQUENCE: 13
219 ggcaccgggc gagcaggcc
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 19
224 <212> TYPE: RNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
230 <400> SEQUENCE: 14
231 cgcgucgcgc ucaccaugg
234 <210> SEQ ID NO: 15
235 <211> LENGTH: 19
236 <212> TYPE: RNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
242 <400> SEQUENCE: 15
243 gucagcuacu gggacaccg
246 <210> SEQ ID NO: 16
247 <211> LENGTH: 19
248 <212> TYPE: RNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
254 <400> SEQUENCE: 16
255 gggguccugc ugugcgcgc
258 <210> SEQ ID NO: 17
259 <211> LENGTH: 19
260 <212> TYPE: RNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
266 <400> SEQUENCE: 17
267 cugcucagcu gucugcuuc
270 <210> SEQ ID NO: 18
271 <211> LENGTH: 19
272 <212> TYPE: RNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
278 <400> SEQUENCE: 18
279 cucacaggau cuaguucag
282 <210> SEQ ID NO: 19
283 <211> LENGTH: 19
284 <212> TYPE: RNA
285 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/665,951A

DATE: 07/11/2006

TIME: 13:37:19

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
Output Set: N:\CRF4\07112006\J665951A.raw

287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
290 <400> SEQUENCE: 19
291 gguucaaaau uaaaagauc 19
294 <210> SEQ ID NO: 20
295 <211> LENGTH: 19
296 <212> TYPE: RNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
302 <400> SEQUENCE: 20
303 ccugaacuga guuuaaaag 19
306 <210> SEQ ID NO: 21
307 <211> LENGTH: 19
308 <212> TYPE: RNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
314 <400> SEQUENCE: 21
315 ggcacccagc acaucaugc 19
318 <210> SEQ ID NO: 22
319 <211> LENGTH: 19
320 <212> TYPE: RNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
326 <400> SEQUENCE: 22
327 caagcaggcc agacacugc 19
330 <210> SEQ ID NO: 23
331 <211> LENGTH: 19
332 <212> TYPE: RNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
338 <400> SEQUENCE: 23
339 caucuccaaau gcagggggg 19
342 <210> SEQ ID NO: 24
343 <211> LENGTH: 19
344 <212> TYPE: RNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
350 <400> SEQUENCE: 24
351 gaagcagccc auaaauggu 19
354 <210> SEQ ID NO: 25
355 <211> LENGTH: 19
356 <212> TYPE: RNA
357 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/11/2006
PATENT APPLICATION: US/10/665,951A TIME: 13:37:20

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
Output Set: N:\CRF4\07112006\J665951A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2121; N Pos. 20,21
Seq#:2122; N Pos. 20,21
Seq#:2127; N Pos. 21
Seq#:2129; N Pos. 21
Seq#:2197; N Pos. 20,21
Seq#:2198; N Pos. 20,21
Seq#:2199; N Pos. 20
Seq#:2200; N Pos. 20
Seq#:2313; N Pos. 20
Seq#:2438; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2439; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2440; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2441; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2442; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2443; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2444; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2445; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:2446; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY DATE: 07/11/2006
PATENT APPLICATION: US/10/665,951A TIME: 13:37:20

Input Set : F:\02-742-F 400.131 REVSequence Listing.txt
Output Set: N:\CRF4\07112006\J665951A.raw

L:28282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2121 after pos.:0
L:28330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2122 after pos.:0
L:28595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2127 after pos.:0
L:28701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2129 after pos.:0
L:31377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2197 after pos.:0
L:31436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2198 after pos.:0
L:31524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2199 after pos.:0
L:31587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2200 after pos.:0
L:34601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2313 after pos.:0
L:38522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2438 after pos.:0
L:38554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2439 after pos.:0
L:38583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2440 after pos.:0
L:38616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2441 after pos.:0
L:38649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2442 after pos.:0
L:38682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2443 after pos.:0
L:38715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2444 after pos.:0
L:38748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2445 after pos.:0
L:38782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2446 after pos.:0